

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CM-056-1 (56)	44	157

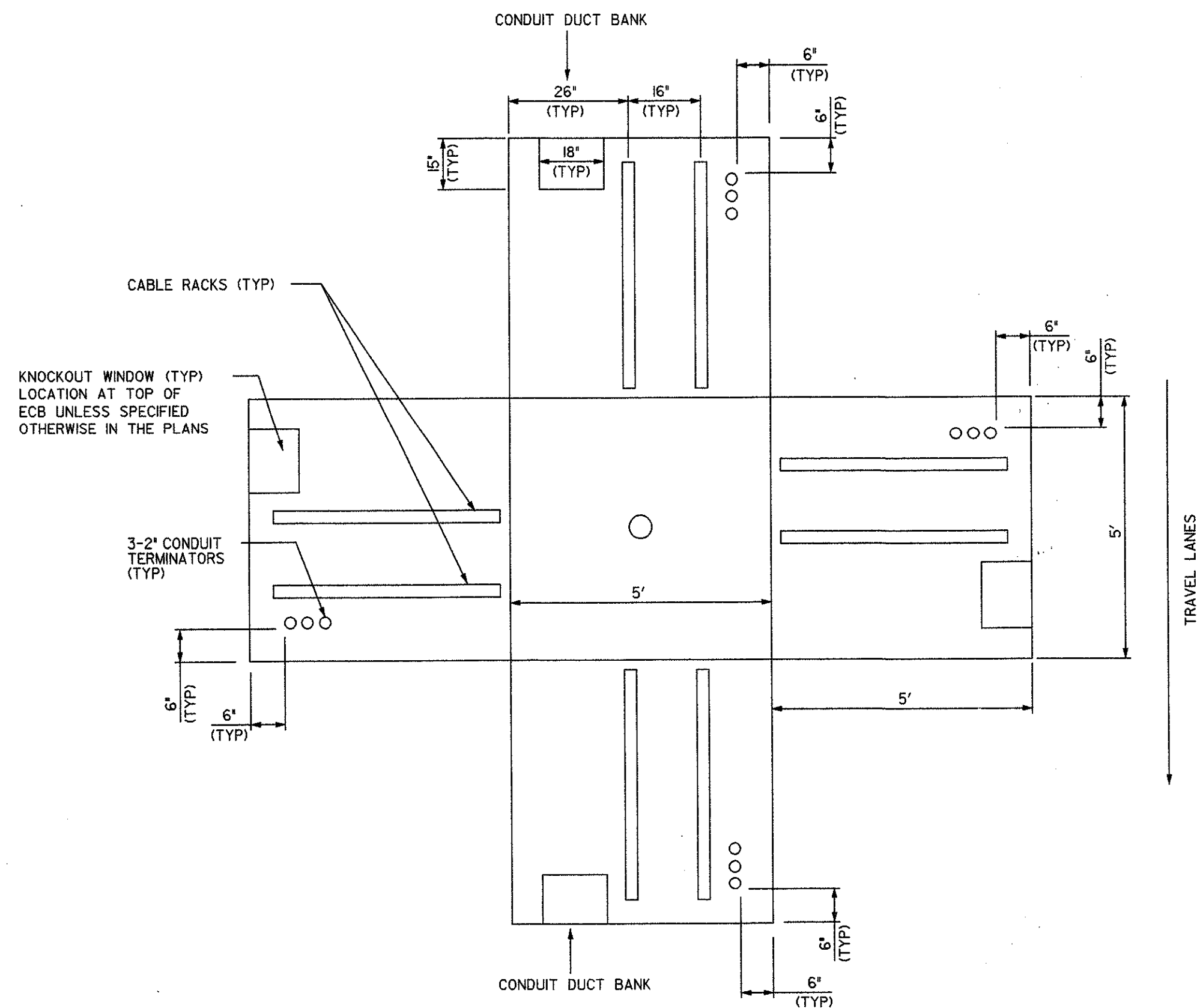
REVISED AND REDRAWN: 1-07-05

REHABILITATION OF ECB'S

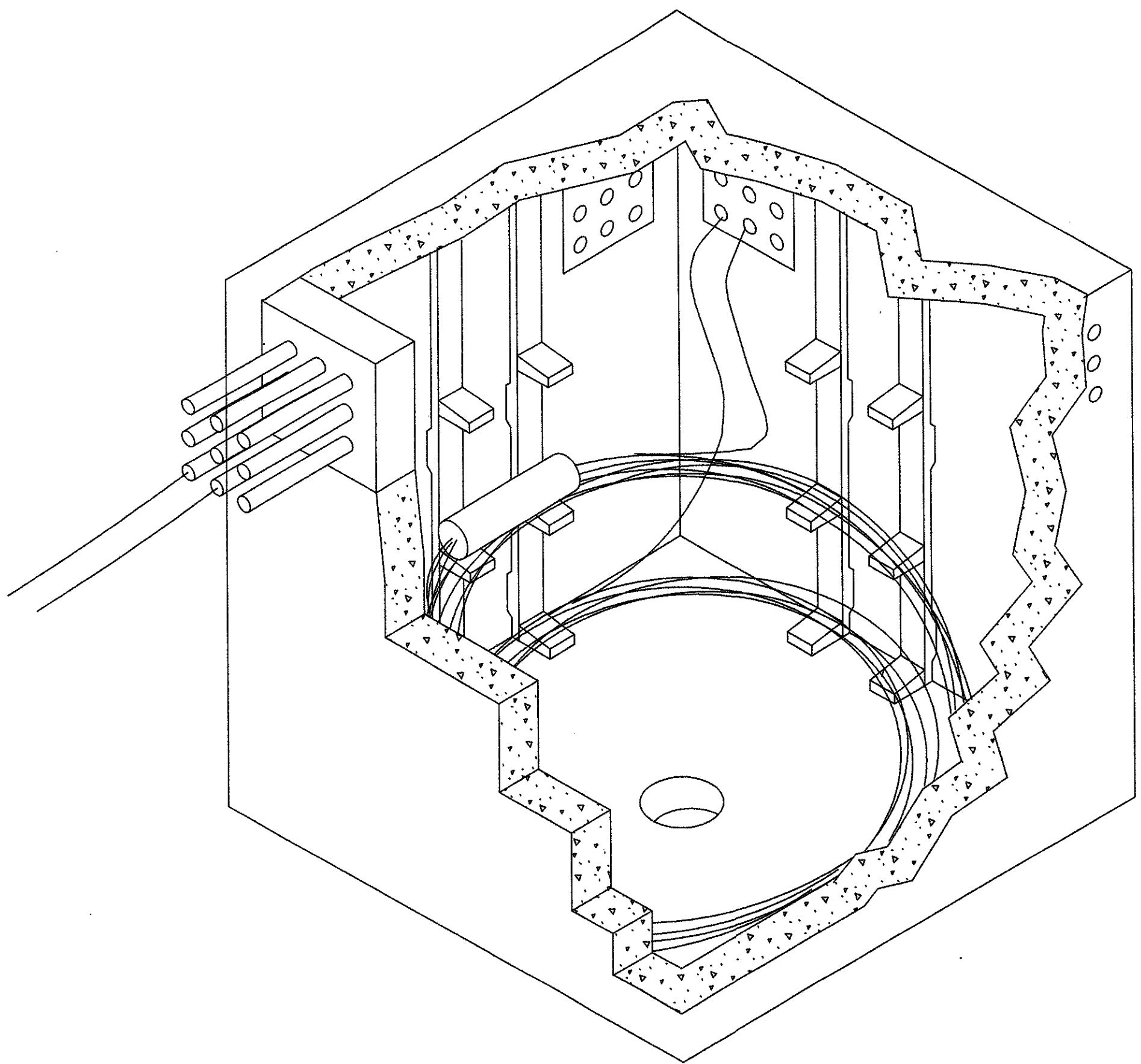
THE FOLLOWING REQUIREMENTS DEFINE THE WORK ASSOCIATED WITH PAY ITEM, ECB REHABILITATION (ALL TYPES).

ECB REHABILITATION (ALL TYPES) SHALL BE MEASURED BY UNIT, WORK COMPLETE, AND SHALL BE PAID FOR AT THE UNIT PRICE PER EACH ECB REHABILITATED AS DEFINED IN THE FOLLOWING REQUIREMENTS.

- 1) THE CONTRACTOR SHALL ESTABLISH THE LOCATION OF THE ECB, RECOGNIZING THAT THE MANHOLE MAY BE PAVED OVER
- 2) THE MANHOLE LID SHALL BE OPENED, WHICH MAY INCLUDE USE OF POWER TOOLS TO ACCOMPLISH.
- 3) EXISTING CABLE COILS SHALL BE REMOVED FROM THE ECB TEMPORARILY ENSURING NO KINKS OR ABRASIONS
- 4) THE INTERIOR OF THE ECB SHALL BE CLEANED BY REMOVING ANY DEBRIS, TRASH, MUD, SILT, AND WATER.
- 5) ALL JOINTS AND SEAMS IN THE ECB SHALL BE RESEALED WITH A SILICONE SEALANT, TYPE A, AS SPECIFIED IN SECTION 833.2.06.
- 6) APPROPRIATE CABLE RACKING, AS DEFINED BELOW, SHALL BE INSTALLED:
  - RACK QUANTITY: 2 RACKS PER INSIDE WALL, FOR INSIDE WALL WIDTHS OF GREATER THAN OR EQUAL TO 36"; RACK PER INSIDE WALL, FOR INSIDE WALL WIDTHS LESS THAN 36" OR GREATER THAN 24"; NO RACKS REQUIRED FOR INSIDE WALL WIDTHS LESS THAN OR EQUAL TO 24".
  - SPACING BETWEEN SUCCESSIVE RACKS AND ECB CORNERS SHALL BE EQUAL.
  - RACK HEIGHT: INSIDE HEIGHT OF ECB, MINUS 6".
  - BOTTOM EDGE OF RACK TO BE INSTALLED NO GREATER THAN 3" FROM FLOOR OF ECB.
  - RACKS TO BE INSTALLED DIRECTLY TO ECB WALL OR WITH SHORTEST STANDOFF BRACKET POSSIBLE; RACKS ARE TO BE INSTALLED USING THREADED ANCHORS INTO THE ECB WALLS.
  - CABLE SUPPORT ARMS SHALL BE 7" TO 9" IN LENGTH AND SHALL HAVE PLASTIC OR CERAMIC INSULATORS.
  - ALL CABLE RACKS, SUPPORT ARMS, AND HARDWARE SHALL BE MANUFACTURED FROM HOT-DIPPED GALVANIZED STEEL.
- 7) THE ECB RING AND LID ASSEMBLY SHALL BE RE-SET AT ACTUAL ROADWAY SURFACE ELEVATION.
- 8) ANY UNLABELED CABLING SHALL BE LABELED IN ACCORDANCE WITH LABELING REQUIREMENTS AS SET FORTH IN SECTION 935.



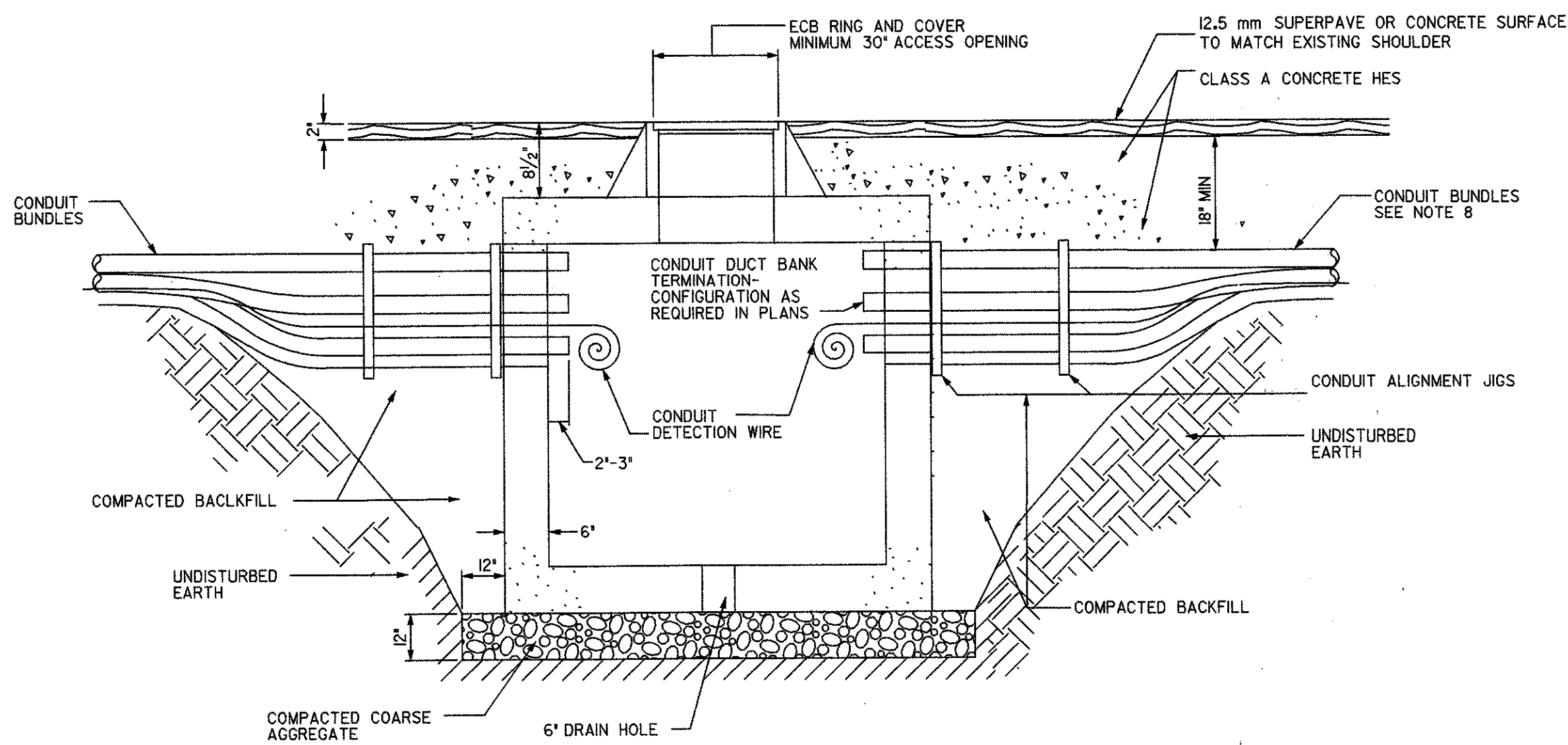
TYPE 5 ECB FEATURES - INSIDE WALLS  
NOT TO SCALE



TYPICAL TYPE 5 ECB LAYOUT  
NOT TO SCALE

GENERAL NOTES FOR ELECTRICAL COMMUNICATION BOX (ECB)

1. PRIOR TO ANY ECB WORK AND WITHIN 60 DAYS AFTER NOTICE TO PROCEED, THE CONTRACTOR SHALL SUBMIT CATALOG SHEETS AND ENGINEERING DRAWINGS FOR REVIEW BY THE ENGINEER. THE SUBMITTALS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE ECB, RING AND COVER, CONDUIT TERMINATORS, CABLE RACKS, AND HARDWARE. CONDUIT ALIGNMENT JIGS, NO WORK SHALL BE DONE USING THESE PRODUCTS UNTIL AFTER SUBMITTALS HAVE BEEN APPROVED BY THE ENGINEER.
2. ECB, TYPE 5, SHALL BE MEASURED BY UNIT, COMPLETE IN PLACE, AND SHALL BE PAID FOR AT THE UNIT PRICE PER EACH.
3. ECBS AND COVERS SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH ASTM C-857-87 DESIGNATION A-16(HS20-44). THE ECB WALLS, FLOORS AND ROOF SHALL BE MINIMUM 6" THICKNESSES AND SHALL BE FORMED FROM 4500 PSI CONCRETE IN ACCORDANCE WITH ASTM C150 TYPE ECBS. TYPE 5 SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN HERE AND THE PLANS. ALL JOINTS AND SEAMS IN THE BOXES CREATED FROM MANUFACTURE OR FINAL ASSEMBLY SHALL BE SEALED WITH MANUFACTURER-APPROVED SEALANT.
4. ECBS, TYPE 5, EACH WALL SHALL INCLUDE 1 KNOCKOUT WINDOW AND 3 CONDUIT TERMINATORS FOR NONMETAL TYPE 3, 2\"/>



TYPE 5 ECB - TYPICAL INSTALLATION  
NOT TO SCALE

DESIGNED BY	CHECKED BY	SUPERVISED BY	NAME	DATE	FIRST DRAWN	LAST DRAWN	NAME	DATE
				GEORGIA DEPARTMENT OF TRANSPORTATION				
				SUBMITTED BY		DATE		

ATMS DESIGN  
S.R. - 400 FROM I-85 TO I-285  
ELECTRICAL COMMUNICATION BOX - TYPE 5

ACCOUNT NO.
DRAWING NO.